

ABSTRACT OF THE DISCLOSURE

5 The present invention provides a solid-state camera device which can improve both the shading caused by the eclipse of the incident light and the shading caused by the rim darkening. The present solid-state camera device comprises a plurality of light-receiving parts 1 arranged at a constant interval on a substrate, and a plurality of light-focusing parts 2 disposed corresponding to each of the light-receiving parts on the substrate surface so that the incident light is focused on the light-receiving parts. Further, the position of each of the light-focusing parts is shifted gradually larger toward the center of the camera region 0 based on the corresponding light-receiving parts and the size along the substrate surface of each of the light-focusing parts 2, W_1' , \dots , W_{n-1}' , W_n' , becomes gradually larger, as the location of the light-focusing parts is getting closer to the peripheral camera region 22 from the middle of the camera region 21 in front of the exit pupil on the substrate in the direction along the substrate surface.